



Classification: Senior Electrical Engineer	Position No. 770-3600-006
CBID: R09	Office: Strategic Transmission Planning & Corridor Designation
Date Prepared: December 8, 2016	Division: Siting, Transmission, and Environmental Protection
KEY: (E) IS ESSENTIAL, (M) IS MARGINAL	

POSITION DESCRIPTION: Under the general direction of the Electric Transmission System Program Specialist III in the Strategic Transmission Planning & Corridor Designation Office, the incumbent acts as the Transmission Evaluation & Planning Unit senior lead person and independently directs, coordinates, and performs responsible, varied and complex electrical system evaluations involved in the design, specifications, siting, construction and operation of electric power transmission, distribution and generation interconnection facilities. The incumbent may function as leader or member of an interdisciplinary team, or coordinate the efforts of technical staff, representatives of various governmental agencies and/or consultants in support of Energy Commission projects.

WORKING CONDITIONS: The work is performed in an indoor office and/or meeting room setting involving sitting, standing, and/or walking. Travel is required to participate in workshops, hearings and outdoor facility site visits that may consume 5% to 40% of the time. Additional hours beyond an eight-hour workday or forty-hour workweek may be required.

DUTIES AND RESPONSIBILITIES: While performing the duties described below, the incumbent will be required to work as a staff and consultant lead, coordinating and directing their work, work alone and/or in a team environment utilizing a personal computer and appropriate Commission software such as word processing, electronic mail, Internet and transmission system modeling software. In addition the incumbent will be required to participate in and lead meetings and workshops with other staff and with other agencies.

- 40% Coordinate and direct engineering analyses of electrical system design specifications, operations and long-term planning issues. The engineering analyses include evaluating the design and specifications of proposed electric generation, transmission and distribution facilities, system operational impacts and identifying downstream facilities required to ensure reliability of the electrical system, assessment of electricity generation and transmission market structures that may affect system infrastructure needs and operations, examine participant marketing strategies, and evaluate policy options for the achieving public interest objectives of California's electricity system. Participate in market stakeholder activities and meetings. (E)
- 25% Analyze western electrical infrastructure developments and coordinate program activities with other regional oversight agencies. Monitor regional trends in electricity reliability protocols, operational volatility, supply outages, and new infrastructure proposals. Identify emerging electrical system problems and propose remedial actions. (E)
- 25% Plan, organize and lead electrical engineering analytical support to the IEPR and IEPR Update, electric transmission resource plan assessment, support to long-term electric system need and designs, infrastructure planning, transmission system input to the various IEPR technical reports and preparation of the statewide strategic grid plan. Provide direction for and quality control of written products. (E)

- 5% Evaluate existing and emerging electric generation and transmission models and modeling techniques for use in the Energy Commission’s statewide electric system planning process and propose actions to ensure staff’s modeling capability is current with industry trends. (E)
- 5% Perform other duties as required, consistent with the specifications of the classification. (M)

SIGNATURES	
I Certify That I Am Able To Perform, With Or Without The Assistance Of A Reasonable Accommodation, The Essential Job Duties Of This Position	
<div></div> <div>Vacant</div> <div>Employee</div>	<div></div> <div>Al Alvarado</div> <div>Supervisor</div>
<div></div> <div>Date</div>	<div></div> <div>Date</div>